BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Yelhanka Division

Detailed Estimate

Name of Work:Improvements to roads ,drains and footpath at PM Layout in ward no 04

			Estimate Amount :	5000000.00					
Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	CIVIL WORKS								
1	Removing BS Slab of drain and Stacking (Page No 25., I.No.5.32 of KPWD S.R 2015-16).								
		Sqm							
	Existing Cover slab								
	1st main								
	Ch: (0 - 158)	L/s	1	158	0.90		142.20		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12	0.90		-10.80		
	Deuction for Missing length (68-48) = 20)		-1	20	0.90		-18.00		
	Ch: (0 - 158)	R/s	1	158	0.90		142.20		
	Deuction for Cross roads (95-89) = 6)		-1	6	0.90		-5.40		
	2nd cross								
	Ch: (0 - 50)	L/s	1	50	0.90		45.00		
	Ch: (0 - 50)	R/s	1	50	0.90		45.00		
	1st cross road								
	Ch: (0 - 69)	L/s	1	69	0.90		62.10		
	Ch: (0 - 69)	R/s	1	69	0.90		62.10		
	1st cross road								
	Ch: (0 - 98)	L/s	1	98	0.90		88.20		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.90		-6.75		
	Deuction for Missing length 5 = 5)		-1	5	0.90		-4.50		
	Ch: (0 - 98)	R/s	1	98	0.90		88.20		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.90		-6.75		
	Deuction for Missing length 3 = 3)		-1	3	0.90		-2.70		
	2nd main								
	Ch: (0 - 80)	L/s	1	80	0.90		72.00		
	Deuction for Cross roads (32-26) = 6)		-1	6	0.90		-5.40		
	Ch: (0 - 80)	R/s	1	80	0.90		72.00		
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 155)	L/s	1	127	0.90		114.30		
	Ch: (162 - 187)	L/s	1	25	0.90		22.50		
	Ch: (194 - 212)	L/s	1	18	0.90		16.20		
	Ch: (216 - 258)	L/s	1	42	1.90		79.80		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ch: (262 - 280)	L/s	1	18	0.90		16.20		
	Ch: (287 - 309)	L/s	1	22	0.90		19.80		
	Ch: (315 - 435)	L/s	1	120	0.90		108.00		
	Ch: (440 - 462)	L/s	1	22	0.90		19.80		
	Ch: (107 - 187)	R/s	1	80	0.90		72.00		
	Ch: (194 - 243)	R/s	1	49	0.90		44.10		
	Ch: (249 - 266)	R/s	1	17	0.90		15.30		
	Ch: (270 - 287)	R/s	1	17	0.90		15.30		
	Ch: (291 - 330)	R/s	1	39	0.90		35.10		
	Ch: (333 - 355)	R/s	1	22	0.90		19.80		
	Ch: (356 - 410)	R/s	1	54	0.90		48.60		
	Ch: (415 - 462)	R/s	1	47	0.90		42.30		
							1447.80	**63.72**	**92253.82**
2	**Refixing Stone Slabs** of drains and Pointing in C.M(1:3) **(Page No 25., I.No.5.33 of KPWD S.R 2015-16).**								
		Sqm							
	Existing Cover slab								
	1st main								
	Ch: (0 - 158)	L/s	1	158	0.90		142.20		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12	0.90		-10.80		
	Deuction for Missing length (68-48) = 20)		-1	20	0.90		-18.00		
	Ch: (0 - 158)	R/s	1	158	0.90		142.20		
	Deuction for Cross roads (95-89) = 6)		-1	6	0.90		-5.40		
	2nd cross								
	Ch: (0 - 50)	L/s	1	50	0.90		45.00		
	Ch: (0 - 50)	R/s	1	50	0.90		45.00		
	1st cross road								
	Ch: (0 - 69)	L/s	1	69	0.90		62.10		
	Ch: (0 - 69)	R/s	1	69	0.90		62.10		
	1st cross road								
	Ch: (0 - 98)	L/s	1	98	0.90		88.20		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.90		-6.75		
	Deuction for Missing length 5 = 5)		-1	5	0.90		-4.50		
	Ch: (0 - 98)	R/s	1	98	0.90		88.20		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.90		-6.75		
	Deuction for Missing length 3 = 3)		-1	3	0.90		-2.70		
	2nd main								
	Ch: (0 - 80)	L/s	1	80	0.90		72.00		
	Deuction for Cross roads (32-26) = 6)		-1	6	0.90		-5.40		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ch: (0 - 80)	R/s	1	80	0.90		72.00		
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 155)	L/s	1	127	0.90		114.30		
	Ch: (162 - 187)	L/s	1	25	0.90		22.50		
	Ch: (194 - 212)	L/s	1	18	0.90		16.20		
	Ch: (216 - 258)	L/s	1	42	1.90		79.80		
	Ch: (262 - 280)	L/s	1	18	0.90		16.20		
	Ch: (287 - 309)	L/s	1	22	0.90		19.80		
	Ch: (315 - 435)	L/s	1	120	0.90		108.00		
	Ch: (440 - 462)	L/s	1	22	0.90		19.80		
	Ch: (107 - 187)	R/s	1	80	0.90		72.00		
	Ch: (194 - 243)	R/s	1	49	0.90		44.10		
	Ch: (249 - 266)	R/s	1	17	0.90		15.30		
	Ch: (270 - 287)	R/s	1	17	0.90		15.30		
	Ch: (291 - 330)	R/s	1	39	0.90		35.10		
	Ch: (333 - 355)	R/s	1	22	0.90		19.80		
	Ch: (356 - 410)	R/s	1	54	0.90		48.60		
	Ch: (415 - 462)	R/s	1	47	0.90		42.30		
							1447.80		
	Deduction for damaged 20%						**-289.56**		
							1158.24	**78.84**	**91315.64**
3	Providing precast slab of **100 mm thick** including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- **Data rate**								
		Sqm							
	1st main								
	Ch: (0 - 158)	L/s							
	Deuction for Missing length (68-48) = 20)		1	20	0.90		18.00		
	1st cross road								
	Ch: (0 - 98)	L/s							
	Deuction for Missing length 5 = 5)		1	5	0.90		4.50		
	Ch: (0 - 98)	R/s							
	Deuction for Missing length 3 = 3)		1	3	0.90		2.70		
	for damaged 20%								
							289.56		
							314.76	**1834.00**	**577269.84**

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
4	KSRB 14.6-1: Providing and laying **heavy duty cobble stones 60mm thick** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.Specification No. KBS **(Page No 101., I.No.14.6 of KPWD S.R 2015-16).**								
		Sqm							
	1st main								
	Ch: (0 - 158)	L/s	1	158	1.20		189.60		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12	1.20		-14.40		
	Ch: (0 - 158)	R/s	1	158	1.20		189.60		
	Deuction for Cross roads (95-89) = 6)		-1	6	1.20		-7.20		
							357.60	**934.20**	**334069.92**
5	KSRRB 300-1. **Earthwork excavation by manual means** in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **(Page No141., I.No.19.1 of KPWD S.R 2015-16).**								
		Cum							
	Desilting								
	1st main								
	Ch: (0 - 158)	L/s	1	158	0.50	0.700	55.30		
	Ch: (0 - 158)	R/s	1	158	0.50	0.700	55.30		
	2nd cross								
	Ch: (0 - 50)	L/s	1	50	0.50	0.700	17.50		
	Ch: (0 - 50)	R/s	1	50	0.50	0.700	17.50		
	1st cross road								
	Ch: (0 - 69)	L/s	1	69	0.50	0.700	24.15		
	Ch: (0 - 69)	R/s	1	69	0.50	0.700	24.15		
	1st cross road								
	Ch: (0 - 98)	L/s	1	98	0.50	0.700	34.30		
	Ch: (0 - 98)	R/s	1	98	0.50	0.700	34.30		
	2nd main								
	Ch: (0 - 80)	L/s	1	80	0.50	0.700	28.00		
	Ch: (0 - 80)	R/s	1	80	0.50	0.700	28.00		
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 462)	L/s	1	434	0.60	0.700	182.28		
	Ch: (0 - 107)	R/s	1	107	0.80	1.000	85.60		
	Ch: (107 - 462)	R/s	1	355	0.80	1.000	284.00		
							870.38	**177.88**	**154823.19**

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
6	**KSRB 5-14 :** Providing and constructing **precast concrete solid blocks** with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x15x20cms** conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **(Page No 25., I.No.5.34 of KPWD S.R 2015-16).**								
		Sqm							
	1st cross road								
	Ch: (0 - 69)	L/s	2	69		0.200	27.60		
	Ch: (0 - 69)	R/s	2	69		0.200	27.60		
	Damaged stretches								
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 462)	L/s	2	122		0.200	48.80		
	Ch: (0 - 107)	R/s	2	38		0.200	15.20		
	Ch: (107 - 462)	R/s	2	152		0.200	60.80		
							180.00	**963.36**	**173404.80**
7	**KSRB 4-1.6 ;** Providing and laying in position plain cement concrete of mix **1:2:4 with cement @ 240kgs, with 20mm** and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **(Page No 12., I.No.4.6 of KPWD S.R 2015-16).**								
		Sqm							
	Packing concrete								
	1st main								
	Ch: (0 - 158)	L/s	1	158	0.10	0.150	2.37		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12	0.10	0.150	-0.18		
	Ch: (0 - 158)	R/s	1	158	0.10	0.150	2.37		
	Deuction for Cross roads (95-89) = 6)		-1	6	0.10	0.150	-0.09		
	2nd cross								
	Ch: (0 - 50)	L/s	1	50	0.10	0.150	0.75		
	Ch: (0 - 50)	R/s	1	50	0.10	0.150	0.75		
	1st cross road								
	Ch: (0 - 69)	L/s	1	69	0.10	0.150	1.04		
	Ch: (0 - 69)	R/s	1	69	0.10	0.150	1.04		
	1st cross road								
	Ch: (0 - 98)	L/s	1	98	0.10	0.150	1.47		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.10	0.150	-0.11		
	Ch: (0 - 98)	R/s	1	98	0.10	0.150	1.47		
	Deuction for Cross roads 7.5 = 7.5)		-1	7.5	0.10	0.150	-0.11		
	2nd main								
	Ch: (0 - 80)	L/s	1	80	0.10	0.150	1.20		
	Deuction for Cross roads (32-26) = 6)		-1	6	0.10	0.150	-0.09		
	Ch: (0 - 80)	R/s	1	80	0.10	0.150	1.20		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 462)	L/s	1	434	0.15	0.150	9.77		
	Ch: (0 - 107)	R/s	1	107	0.15	0.150	2.41		
	Ch: (107 - 462)	R/s	1	355	0.15	0.150	7.99		
	Coping concrete								
	1st cross road								
	Ch: (0 - 69)	L/s	2	69	0.15	0.075	1.55		
	Ch: (0 - 69)	R/s	2	69	0.15	0.075	1.55		
	1st cross road								
	Ch: (0 - 69)	L/s	2	69	0.15	0.075	1.55		
	Ch: (0 - 69)	R/s	2	69	0.15	0.075	1.55		
	2nd main from Yelhanka main road to ground								
	Ch: (28 - 462)	L/s	2	122	0.15	0.075	2.75		
	Ch: (0 - 107)	R/s	2	38	0.15	0.075	0.86		
	Ch: (107 - 462)	R/s	2	152	0.15	0.075	3.42		
							46.46	**5490.72**	**255071.40**
8	Providing and fixing **pre cast solid cement concrete kerb stones** made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork,curing,including cost of all materials, labour, hire charges of machinery, loading,unloading, lead and lift, transportation etc., complete. **(Page No 25., I.No.5.30 of KPWD S.R 2015-16).**								
		Nos							
	1st main								
	Ch: (0 - 158)	L/s	1	158			351.00		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12			-27.00		
	Ch: (0 - 158)	R/s	1	158			351.00		
	Deuction for Cross roads (95-89) = 6)		-1	6			-13.00		
							662.00	**320.76**	**212343.12**
	ROAD WORKS								
9	KSRRB M300-14. **Excavation for roadwork in all type of soil with hydraulic excavator** of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 **(Page No 142., I.No.19.14 of KPWD S.R 2015-16).**								
		Cum							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00	0.375	11.25		
							11.25	**143.32**	**1612.35**
10	KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 **(Page No 148., I.No.19.64 of KPWD S.R 2015-16).**								

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
		Sqm							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00		30.00		
							30.00	**4.86**	**145.80**
11	KSRRB M400-6.1. Construction of **granular sub-base** by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material **(Page No 154., I.No.20.4.2 of KPWD S.R 2015-16).**								
		Cum							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00	0.150	4.50		
							4.50	**1622.16**	**7299.72**
12	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **(Page No 157., I.No.20.18 of KPWD S.R 2015-16).**								
		Cum							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00	0.225	6.75		
							6.75	**1713.96**	**11569.23**
13	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 **(Page No 160., I.No.21.6 of KPWD S.R 2015-16).**								
		Sqm							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00		30.00		
							30.00	**32.40**	**972.00**
14	KSRRB 500-2. **Cleaning the existing black topped** surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5**(Page No 160., I.No.21.2 of KPWD S.R 2015-16).**								
		Sqm							
	1st main								
	Ch: (0 - 158)		1	158	7.80		1232.40		
	2nd cross								
	Ch: (0 - 50)		1	50	6.50		325.00		
	1st cross road								
	Ch: (0 - 69)		1	69	6.00		414.00		
	1st cross road								
	Ch: (0 - 98)		1	98	6.00		588.00		
	2nd main								
	Ch: (0 - 80)		1	80	5.50		440.00		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	2nd main from Yelhanka main road to ground								
	Ch: (0 - 21)		1	21	8.20		172.20		
	Ch: (21 - 462)		1	441	6.70		2954.70		
							6126.30	**3.24**	**19849.21**
15	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **(Page No 160., I.No.21.7 of KPWD S.R 2015-16).**								
		Sqm							
	1st main								
	Ch: (0 - 158)		1	158	7.80		1232.40		
	2nd cross								
	Ch: (0 - 50)		1	50	6.50		325.00		
	1st cross road								
	Ch: (0 - 69)		1	69	6.00		414.00		
	1st cross road								
	Ch: (0 - 98)		1	98	6.00		588.00		
	2nd main								
	Ch: (0 - 80)		1	80	5.50		440.00		
	2nd main from Yelhanka main road to ground								
	Ch: (0 - 21)		1	21	8.20		172.20		
	Ch: (21 - 462)		1	441	6.70		2954.70		
							6126.30	**15.12**	**92629.66**
16	KSRRB M500- 15. Providing, laying **dense graded bituminous macadam** using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507 **(Page No 161., I.No.21.17.6 of KPWD S.R 2015-16).**								
		Cum							
	Road cutting								
	2nd main								
	Ch: (0 - 80)		1	30	1.00	0.050	1.50		
	Profile correction								
	1st main								
	Ch: (0 - 158)		1	30	2.00	0.050	3.00		
	2nd cross								
	Ch: (0 - 50)		1	25	2.50	0.050	3.13		
	1st cross road								
	Ch: (0 - 69)		1	30	2.00	0.050	3.00		
	1st cross road								
	Ch: (0 - 98)		1	20	2.00	0.050	2.00		
	2nd main								
	Ch: (0 - 80)		1	20	1.50	0.050	1.50		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	2nd main from Yelhanka main road to ground								
	Ch: (0 - 462)		1	50	2.00	0.050	5.00		
							19.13	**7927.20**	**151607.70**
17	KSRRB M500- 15. Providing, laying **bituminousConcrete** using **40/60 THP** capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 **(Page No 164., I.No.21.22.6 of KPWD S.R 2015-16).**								
		Cum							
	1st main								
	Ch: (0 - 158)		1	158	7.80	0.040	49.30		
	2nd cross								
	Ch: (0 - 50)		1	50	6.50	0.040	13.00		
	1st cross road								
	Ch: (0 - 69)		1	69	6.00	0.040	16.56		
	1st cross road								
	Ch: (0 - 98)		1	98	6.00	0.040	23.52		
	2nd main								
	Ch: (0 - 80)		1	80	5.50	0.040	17.60		
	2nd main from Yelhanka main road to ground								
	Ch: (0 - 21)		1	21	8.20	0.040	6.89		
	Ch: (21 - 462)		1	441	6.70	0.040	118.19		
							245.05	**9822.60**	**2407047.78**
	ROAD FURNITURES								
18	KSRRB 800-1. **Painting two coats** after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8**(Page No 179, I.No.24.1 of KPWD S.R 2015-16).**								
	Kerb Painting	**Sqm**							
	1st main								
	Ch: (0 - 158)	L/s	1	158		0.300	47.40		
	Deuction for Cross roads (95-89)+(135-129) = 12)		-1	12		0.300	-3.60		
	Ch: (0 - 158)	R/s	1	158		0.300	47.40		
	Deuction for Cross roads (95-89) = 6)		-1	6		0.300	-1.80		
							89.40	**61.56**	**5503.46**
19	KSRRB M800-13. Providing and laying of **hot applied thermoplastic compound** 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 **(Page No 181., I.No.24.15 of KPWD S.R 2015-16).**								
	Road marking	**Sqm**							
	1st main								
	Ch: (0 - 158)		2.5	158	0.15		59.25		
	2nd cross								

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Ch: (0 - 50)		2.5	50	0.10		12.50		
	1st cross road								
	Ch: (0 - 69)		2.5	69	0.10		17.25		
	1st cross road								
	Ch: (0 - 98)		2.5	98	0.10		24.50		
	2nd main								
	Ch: (0 - 80)		2.5	80	0.10		20.00		
	2nd main from Yelhanka main road to ground								
	Ch: (0 - 21)		2.5	21	0.15		7.88		
	Ch: (21 - 462)		2.5	441	0.15		165.38		
							306.75	**473.04**	**145105.02**
	Sub Total								**4733893.66**
20	Cost towards Design Report and Detailed Estimate,PMC/Third party								**47338.94**
21	**Cost of Plastic@ 8% of bitumen qty for BC**	**Kg**	1	2764.19				**27.00**	**74633.04**
22	Cost towards DLP and contigencies								**142016.81**
23	Misclenous and other charges								**2117.56**
	Grand Total								**5000000.00**

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

Consultant:

For M/s MECADEZ CORE TECHNOLOGIES PVT LTD

Asst. Engineer
Ward No-04
BBMP

AEE
Yelhanka Sub Division
BBMP

Executive Engineer
Yelhanka Division
BBMP